

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/516,662
Source: PCT
Date Processed by STIC: 07/11/2006

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 07/11/2006

PATENT APPLICATION: US/10/516,662

TIME: 11:07:54

Input Set : A:\246416_1.txt

Output Set: N:\CRF4\07112006\J516662.raw

4 <110> APPLICANT: University of Utah Research Foundation
 5 Bock, Susan C.
 6 Hobden, Adrian N.
 8 <120> TITLE OF INVENTION: VARIANTS OF ANTITHROMBIN III
 11 <130> FILE REFERENCE: 21101.0021P1
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/516,662
 C--> 13 <141> CURRENT FILING DATE: 2004-11-30
 13 <150> PRIOR APPLICATION NUMBER: 60/384,599
 14 <151> PRIOR FILING DATE: 2002-05-31
 16 <160> NUMBER OF SEQ ID NOS: 93
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 54
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
 27 synthetic construct
 29 <400> SEQUENCE: 1
 30 catgcgggccg caagtaccga aggtttcttc tctggccggt cgctaaaccc caac 54
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 54
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
 39 synthetic construct
 41 <400> SEQUENCE: 2
 42 catgcgggccg caagtaccga aggtttcttc gacggccggt cgctaaaccc caac 54
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 54
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
 51 synthetic construct
 53 <400> SEQUENCE: 3
 54 catgcgggccg caagtaccga aggtttcttc gagggccggt cgctaaaccc caac 54
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 54
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:

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62 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
63     synthetic construct
65 <400> SEQUENCE: 4
66 catgcgggccg caagtaccga aggtttcttc aacggccggtt cgctaaaccc caac      54
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 54
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
75     synthetic construct
77 <400> SEQUENCE: 5
78 catgcgggccg caagtaccga aggtttcttc cagggccggtt cgctaaaccc caac      54
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 54
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
87     synthetic construct
89 <400> SEQUENCE: 6
90 catgcgggccg caagtaccga aggtttcttc ggtggccggtt cgctaaaccc caac      54
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 54
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
99     synthetic construct
101 <400> SEQUENCE: 7
102 catgcgggccg caagtaccga aggtttcttc tggggccggtt cgctaaaccc caac      54
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 54
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
111     synthetic construct
113 <400> SEQUENCE: 8
114 catgcgggccg caagtaccga gggtagaggt tctggccggtt cgctaaaccc caac      54
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 54
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
123     synthetic construct
125 <400> SEQUENCE: 9
126 catgcgggccg caagtaccga gggtagagatt tctggccggtt cgctaaaccc caac      54

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128 <210> SEQ ID NO: 10
129 <211> LENGTH: 54
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
135     synthetic construct
137 <400> SEQUENCE: 10
139 catgcggccg caagtaccga gggtagagctc tctggccggt cgctaaaccc caac      54
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 54
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
148     synthetic construct
150 <400> SEQUENCE: 11
151 catgcggccg caagtaccga gggtagagttc tctggccggt cgctaaaccc caac      54
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 54
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
160     synthetic construct
162 <400> SEQUENCE: 12
163 catgcggccg caagtaccga gggtagagtgg tctggccggt cgctaaaccc caac      54
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 54
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
172     synthetic construct
174 <400> SEQUENCE: 13
175 catgcggccg caagtaccga gggtagaggtc tctggccggt cgctaaaccc caac      54
177 <210> SEQ ID NO: 14
178 <211> LENGTH: 54
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
184     synthetic construct
186 <400> SEQUENCE: 14
187 catgcggccg caagtaccga gggtagagcag tctggccggt cgctaaaccc caac      54
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 54
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence

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194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
196     synthetic construct
198 <400> SEQUENCE: 15
199 catgcgccg caagtaccga gggtgagaac tctggccgtt cgctaaaccc caac      54
201 <210> SEQ ID NO: 16
202 <211> LENGTH: 54
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
208     synthetic construct
210 <400> SEQUENCE: 16
211 catgcgccg caagtaccga gggtgaggct tctcctcggt cgctaaaccc caac      54
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 54
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
220     synthetic construct
222 <400> SEQUENCE: 17
223 catgcgccg caagtaccga gggtgagatt tctcctcggt cgctaaaccc caac      54
225 <210> SEQ ID NO: 18
226 <211> LENGTH: 54
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
232     synthetic construct
234 <400> SEQUENCE: 18
235 catgcgccg caagtaccga gggtgagctc tctcctcggt cgctaaaccc caac      54
237 <210> SEQ ID NO: 19
238 <211> LENGTH: 54
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
244     synthetic construct
246 <400> SEQUENCE: 19
247 catgcgccg caagtaccga gggtgagttc tctcctcggt cgctaaaccc caac      54
249 <210> SEQ ID NO: 20
250 <211> LENGTH: 54
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
256     synthetic construct
258 <400> SEQUENCE: 20

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259 catgcggccg caagtaccga gggtagtggt tctcctcggt cgctaaaccc caac      54
261 <210> SEQ ID NO: 21
262 <211> LENGTH: 54
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
268     synthetic construct
270 <400> SEQUENCE: 21
271 catgcggccg caagtaccga gggtagagtc tctcctcggt cgctaaaccc caac      54
273 <210> SEQ ID NO: 22
274 <211> LENGTH: 54
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
280     synthetic construct
282 <400> SEQUENCE: 22
283 catgcggccg caagtaccga gggtagagcag tctcctcggt cgctaaaccc caac      54
285 <210> SEQ ID NO: 23
286 <211> LENGTH: 54
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
292     synthetic construct
294 <400> SEQUENCE: 23
295 catgcggccg caagtaccga gggtagagaac tctcctcggt cgctaaaccc caac      54
297 <210> SEQ ID NO: 24
298 <211> LENGTH: 54
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
304     synthetic construct
306 <400> SEQUENCE: 24
307 catgcggccg caagtaccga gctcgagggt gctggccggt cgctaaaccc caac      54
309 <210> SEQ ID NO: 25
310 <211> LENGTH: 54
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
316     synthetic construct
318 <400> SEQUENCE: 25
319 catgcggccg caagtaccga gctcgaggct gctggccggt cgctaaaccc caac      54
321 <210> SEQ ID NO: 26
322 <211> LENGTH: 54
323 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:92; Xaa Pos. 386,387,388,389

VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1834 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

L:1838 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:92

L:1887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:384